

1Pw\$

CERTIFICATE OF MAILING

I hereby certify that the below listed items are being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

**Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450**

on 7-6-05

Mary Meegan
Mary Meegan

In Re Application of:

Hui Yan

Serial No.: 10/751,370

Filed: January 5, 2004

Confirmation No.: 2211

Group Art Unit: 3611

Examiner: Kevin Hurley

Docket No.: 292501-1010

For: User-Propelled Riding Toys and Methods

The following is a list of documents enclosed:

Return Postcard
Information Disclosure Statement
Form PTO-1449 (Pages 1-4)
Prior Cited Art References (35)
Credit Card Payment Form in the amount of \$180.00

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Hui Yan

Serial No.: 10/751,370

Filed: January 5, 2004

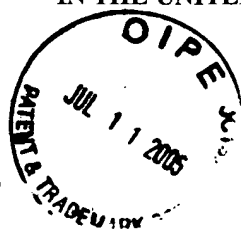
For: User-Propelled Riding Toys and Methods

Confirmation No.: 2211

Group Art Unit: 3611

Examiner: Kevin Hurley

Docket No.: 292501-1010

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- ☐ under 37 CFR 1.97(b), or
 (within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☒ under 37 CFR 1.97(c) together with either a:
☐ Statement Under 37 C.F.R. 1.97(e), or
☒ a \$180.00 fee under 37 CFR 1.17(p), or
 (After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(p).
 (Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Enclosed is a check in the amount of \$.

Enclosed is Credit Card Payment Form (PTO-2038) in the amount of \$180.00.

Please charge \$ to deposit account . At any time during the pendency of this application, please charge any fees required to Deposit Account 20-0778 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 20-0778.

- ☒ Applicant(s) submit herewith *Form PTO 1449A - Information Disclosure Statement by Applicant* together with copies (where required) of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. § 1.98(a), a legible copy of each document is provided.

- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

07/12/2005 SSITHIB1 00000015 10751370

01 FEB 2006

180.00 DP

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. Any statements or identifications regarding the relevance of any portion(s) of cited references should not be construed as a representation that the most relevant portion(s) have been identified, and the absence of such statements or identifications should not be construed as representations that there are no relevant portion(s). The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**

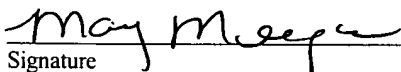
By:


David R. Risley, Reg. No. 39,345

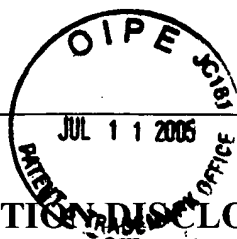
100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339-5948
770-933-9500

CERTIFIED MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class Mail," in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 7-6-05


Signature

Form PTO-1449

**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*Attorney Docket No.
292501-1010Serial No.
10/751,370Applicant
Hui YanFiling Date
01/05/2004Group
3611**U.S. PATENT DOCUMENTS**

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	A	Chong-Min Kim, Youngsong Cho, Byunghoon Lee, Jeongyoun Seo, Sang-Min Park, Chung-In Won, Donguk Kim and Deok-Soo Kim, "Interface surfaces for protein-protein interaction: Voronoi diagram based approach," 2005 CAD/CAM.
	B	Donguk Kim, Youngsong Cho, Deok-Soo Kim, "Algorithms for constructing Euclidean Voronoi diagrams for spheres in 3D: an edge tracing algorithm and a region expansion algorithm," 2005 CAD/CAM.
	C	Deok-Soo Kim, Cheol-Hyung Cho, Youngsong Cho, Donguk Kim, "Pocket recognition on a protein using Euclidean Voronoi diagram of atoms," pages 1-23.
	D	Deok-Soo Kim, Youngsong Cho, Donguk Kim, Sangsoo Kim, Jonghwa Bhak, Sung-Hoon Lee, "Euclidean Voronoi diagrams of 3D spheres and applications to protein structure analysis," Running Title: Euclidean Voronoi Diagrams of Spheres, pages 1-22.
	E	V.A. Luchnikov, N.N. Medvedev, L. Oger and J.-P. Troadec, "Voronoi-Delaunay analysis of voids in systems of nonspherical particles," Physical Review E, Volume 59, Number 6, June 1999, pages 7205-7212.
	F	Deok-Soo Kim, Youngsong Cho and Donguk Kim, "Euclidean Voronoi diagram of 3D balls and its computation via tracing edges," 31 January 2005, pages 1-28.
	G	Donguk Kim, Deok-Soo Kim, "Euclidean Voronoi diagrams for spheres in 3D by expanding regions," pages 1-10.
	H	Donguk Kim, Youngsong Cho, and Deok-Soo Kim, "Region expansion by flipping edges for Euclidean Voronoi diagrams of 3D spheres based on a radial data structure".
	I	Deok-Soo Kim, Youngsong Cho, Donguk Kim, "Edge-tracing algorithm for Euclidean Voronoi diagram of 3D spheres," 16 th Canadian Conference on Computational Geometry, 2004, Montreal, Quebec, August 9-11, 2004, pages 176-179.
	J	Subject: patent related papers and issues.

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:

DATE CONSIDERED:

Form PTO-1449				Attorney Docket No. 292501-1010		Serial No. 10/751,370	
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Applicant Hui Yan			
				Filing Date 01/05/2004		Group 3611	
U.S. PATENT DOCUMENTS							
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
						Yes No	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	K	Deok-Soo Kim, Youngsong Cho, Donguk Kim, "Euclidean Voronoi diagram of 3D spheres by tracing edges," Hanyang University.					
	L	Cheol-Hyung Cho, Youngsong Cho, Donguk Kim, Deok-Soo Kim, "Pockets Recognition on Proteins: Euclidean Voronoi Diagram and Convex Hull Based Approach," 2005 CAD/CAM.					
	M	Deok-Soo Kim, Youngsong Cho, Donguk Kim, "Edge-tracing algorithm for Euclidean Voronoi diagram of 3D spheres," 16 th Canadian Conference on Computational Geometry, 2004, Montreal, Quebec, August 9-11, 2004, pages 176-179.					
	N	Deok-Soo Kim, Donguk Kim, Youngsong Cho, Joonghyun Ryu, Cheol-Hyung Cho, Joon Young Park, and Hyun Chan Lee, "Visualization and analysis of protein structures using Euclidean Voronoi diagram of atoms".					
	O	A. Goede, R. Preissner, C. Frömmel, "Voronoi Cell: New Method for Allocation of Space among Atoms: Elimination of Avoidable Errors in Calculation of Atomic Volume and Density," CCC 0192-8651/97/091113-11, Vol. 18, No. 9, Journal of Computational Chemistry, Pages 1113-1123.					
	P	Deok-Soo Kim, Donguk Kim, Kokichi Sugihara, "Voronoi diagram of a circle set from Voronoi diagram of a point set: I. Topology," Computer Aided Geometric Design 18 (2001) 541-562, www.elsevier.com/locate/comaid .					
	Q	Deok-Soo Kim, Donguk Kim, Kokichi Sugihara, "Voronoi diagram of a circle set from Voronoi diagram of a point set: II. Geometry," Computer Aided Geometric Design 18 (2001) 563-585, www.elsevier.com/locate/comaid .					
	R	Hans-Martin Will, "Computation of Additively Weighted Voronoi Cells for Applications in Molecular Biology," Diss. ETH No. 13188, 1999, pages 1-161.					
	S	Joonghyun Ryu, Rhohun Park, Byunghoon Lee, Youngsong Cho, Donguk Kim, Deok-Soo Kim, "Computing molecular surfaces of a protein: an approach based on a Voronoi diagram and a ball blending," Molecular Surface, 2005 CAD/CAM.					
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</p>							
EXAMINER'S SIGNATURE:					DATE CONSIDERED:		

Form PTO-1449				Attorney Docket No. 292501-1010		Serial No. 10/751,370	
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Applicant Hui Yan			
				Filing Date 01/05/2004		Group 3611	
U.S. PATENT DOCUMENTS							
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
						Yes No	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	T	Jonghyun Ryu, Donguk Kim, Youngsong Cho, Rhohun Park and Deok-Soo Kim, "Computation Of Molecular Surface Using Euclidean Voronoi Diagram," Computer-Aided Design & Applications, Vol. 2, Nos. 1-4, 2005, pp xxx-yyy, pages 1-10.					
	U	Deok-Soo Kim, Cheol-Hyung Cho, Youngsong Cho, Chung In Won, and Dounguk Kim, "Pocket recognition on a protein using Euclidean Voronoi diagram of atoms".					
	V	Deok-Soo Kim, Yong-Chae Chung, Sangwon Seo, Sang-Pil Kim and Chong Min Kim, "Distributions of BCC, FCC, and HCP structures in Al-Co composite materials," Journal of Ceramic Processing Research, Vol. 6, No. 1, pp. 0~00 (2004), pages 1-5.					
	W	Deok-Soo Kim, Yong-Chae Chung, Sangwon Seo, Sang-Pil Kim and Chong Min Kim, "Crystal structure extraction in materials using Euclidean Voronoi diagram and angular distributions among atoms," Journal of Ceramic Processing Research, Vol. 6, No. 1, pp. 0~00 (2004), pages 1-5.					
	X	Deok-Soo Kim, Youngsong Cho, Donguk Kim, Sangsoo Kim, Jonghwa Bhak, Sung-Hoon Lee, "Euclidean Voronoi diagram of 3D spheres and applications to protein structure analysis".					
	Y	Deok-Soo Kim, Youngsong Cho, Donguk Kim, Cheol-Hyung Cho, "Protein structure analysis using Euclidean Voronoi diagram of atoms," pages 1-5.					
	Z	Amitabh Varshney, Frederick P. Brooks, Jr., David C. Richardson, William V. Wright, Dinesh Manocha, "Defining, Computing, and Visualizing Molecular Interfaces," Proceedings, IEEE Visualization 95, October 29-November 3, 1995, Atlanta, GA, pp 36-43.					
	AA	Borislav Angelov, Jean-Francois Sadoc, Rémi Jullien, Alain Soyer, Jean-Paul Mornon, "Nonatomic Solvent-Driven Voronoi Tessellation of Proteins: An Open Tool to Analyze Protein Folds," PROTEINS: Structure, Function, and Genetics 49:446-456 (2002).					
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</p>							
EXAMINER'S SIGNATURE:					DATE CONSIDERED:		

Form PTO-1449				Attorney Docket No. 292501-1010		Serial No. 10/751,370	
INFORMATION DISCLOSURE CITATION				Applicant Hui Yan			
<i>(Use several sheets if necessary)</i>				Filing Date 01/05/2004		Group 3611	

U.S. PATENT DOCUMENTS							
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>	
BB	Alain Soyer, Jacques Chomilier, Jean-Paul Mornon, Rémi Jullien, and Jean-Francois Sadoc, "Voronoi Tessellation Reveals the Condensed Matter Character of Folded Proteins," Volume 85, Number 16, Physical Review Letters, 16 October 2000, pages 3532-3535.
CC	Anne Poupon, "Voronoi and Voronoi-related tessellations in studies of protein structure and interaction," www.sciencedirect.com , Current Opinion in Structural Biology 2004, 14:233-241.
DD	Klaus P. Peters, Jana Fauck and Cornelius Frömmel, "The Automatic Search for Ligand Binding Sites in Proteins of Known Three-dimensional Structure Using only Geometric Criteria," J. Mol. Biol. (1996) 256, 201-213.
EE	F. Aurenhammer, "Power Diagrams: Properties, Algorithms And Applications," Siam J. Comput., Vol. 16, No. 1, February 1987, pages 78-96.
FF	Yih-En Andrew Ban, Herbert Edelsbrunner and Johannes Rudolph, "Interface Surfaces for Protein-Protein Complexes," pages 1-11.
GG	Jean-Daniel Boissonnat, Menelaos I. Karavelas, "On the combinatorial complexity of Euclidean Voronoi cells and convex hulls of d -dimensional spheres," pages 305-312.
HH	Herbert Edelsbrunner, Michael Facello and Jie Liang, "On the Definition and the Construction of Pockets in Macromolecules," April 17, 1998, pages 1-19.
II	Marina Gavrilova, "Proximity and Applications in General Metrics," The University of Calgary, May, 1998, pages 1-250.

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:	DATE CONSIDERED:
-----------------------	------------------